

IN THE CLAIMS:

Please amend claims 47-50 as follows:

47. (Amended) An electron-emitting device as claimed in claim 1, wherein said island region defines a curved concave recess portion.

C1
48. (Amended) An electron-emitting device as claimed in claim 1, wherein at least one of said carbon region and said metal thin film electrode has a film thickness that is gradually reduced to a thickness of zero in the island region.

49. (Amended) A display as claimed in claim 30, wherein said island region defines a curved concave recess portion.

50. (Amended) A display as claimed in claim 30, wherein at least one of said carbon region and said metal thin film electrode has a film thickness that is gradually reduced to a thickness of zero in the island region.

Please add new claim 51 as follows:

C2
51. An electron-emitting device comprising:
an electron source layer made of one of a metal, a metal alloy and a semiconductor;
an insulating layer formed on said electron source layer, said insulating layer having at least one island region serving as an electron-emitting section in which film thickness of said insulating layer is gradually reduced;

a carbon region made of one of carbon and a carbon compound provided on at least one of a top, bottom and inside of said island region; and

C2 a metal thin film electrode formed on said insulating layer, wherein electrons are emitted upon application of an electric field between said electron source layer and said metal thin film electrode,

wherein said island region defines a curved concave recess portion, and

wherein at least one of said carbon region and said metal thin film electrode has a film thickness that is gradually reduced to a thickness of zero in the island region.
